

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006158

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ H01L21/316, 21/31, 29/78

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ H01L21/316, 21/31, 29/78

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	VISHWANATHAN Rangarajan et al., Comparison of hafnium silicate thin films on silicon (100) deposited using thermal and plasma enhanced metal organic chemical vapor deposition., Thin Solid Films, Vol.419, 2002, pages 1 to 4	1-5, 9-13, 16
X	JP 2003-297822 A (Tokyo Electron Ltd.), 17 October, 2003 (17.10.03),	1-5, 9-13, 16, 19
<u>Y</u>	Par. Nos. [0147] to [0168] & WO 2003/083925 A1	<u>6-8, 14, 15,</u> <u>17, 18, 20</u>
Y	JP 2004-79687 A (Tokyo Electron Ltd.), 11 March, 2004 (11.03.04), Par. Nos. [0023] to [0025], [0032] & US 2004/0195653 A1	6-8, 14, 15, 17, 18

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
21 June, 2005 (21.06.05)

Date of mailing of the international search report
05 July, 2005 (05.07.05)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-100627 A (Tokyo Electron Ltd.), 05 April, 2002 (05.04.02), Claims 1 to 6; Par. Nos. [0006] to [0011], [0055] to [0058] & US 2004/0023513 A1 & EP 1333475 A1 & WO 2002/009166 A1 & TW 520538 B	20
P, A	JP 2004-311782 A (Tokyo Electron Ltd.), 04 November, 2004 (04.11.04), Par. Nos. [0021] to [0030] & WO 2004/090966 A1	1-20